Spyder V

Developing the future of inkjet

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Spyder V A mid range workhorse

Spyder V continues to develop the quality position created by the Spyder 320 when it was introduced in 2008 and has increased the throughput of this mid-range printer. The Inca Spyder V delivers quality, mid- speed output on rigid and flexible materials, making it a workhorse for screen and digital printers looking for versatility and productivity.

Precision motion and controls systems enable the Spyder V to deliver the quality and consistency for which Inca equipment has become renowned. The Spyder V is a dedicated flatbed printer capable of handling a wide range of rigid and flexible media. Using the quality design and leading edge technology for which Inca has developed its reputation, the Spyder V variants offer users a flexible machine which works as a stand alone unit or as a complement to analogue technologies.

Productivity

Offering an open architecture with good access to the vacuum bed for preparation, cleaning and loading, your production team will be able to maximise the throughput and range of substrates you can offer to meet your customers' needs.

Colour Range

A six colour machine, the Spyder V offers you the choice of two from orange, violet, light cyan or light magenta or alternatively white to complement the CMYK set. This gives the Spyder V a wide colour gamut, plus the ability to achieve increased accuracy on key spot colours.

Economics

Simple job set up, image change on the fly and speed makes Spyder V a viable option from one print up to around 150 full bed sheets. Generating up to 75-off 60" x 40" prints an hour, Spyder V is a digital press that delivers a good ROI for the medium size printing company or as back up for the analogue processes.

Outstanding Print Quality

With the Spyders' usual 28 ng printheads you have the ability to create a print quality which is suitable for a range of large format graphics as well as retail POP applications.

Environmental Credentials

Components are responsibly sourced and the printers incorporate controls to change to standby power without impacting on productivity. UV ink technology provides VOC-free printing and reduces the wastage associated with the set-up and clean-down of traditional printing technologies.

Printing Modes

Spyder V offers a variety of print modes capable of matching a demanding range of applications. With the ability to offer white as well as standard colours, the white can be applied before during and after the print creating a wide range of finish options and deliver back lit or clear graphics with punch.

Print Finish

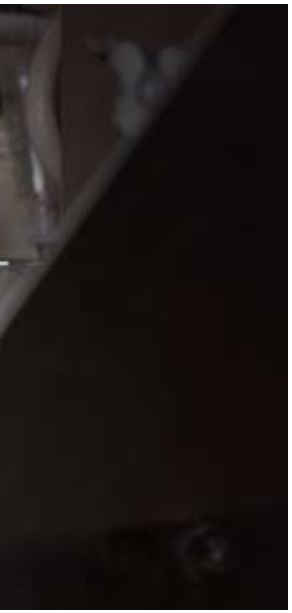
Spyder V delivers a satin print finish well suited to the POP market and, combined with extra ink colour options, this provides the ability to colour match to both substrate and customer needs, providing good colour accuracy. The two UV lamps provide flexibility and control to deliver the correct adhesion and cure levels on a wide variety of materials.

Reliability

Designed to give you consistent production output your team will be given the skills to run and maintain your Spyder V to provide reliable performance. On-board software, such as nozzle mapping, assists with increased uptime and print quality control.

Response times

Inca recognise that customers' response requirements vary and this is reflected in the support contracts offered for this press. After the first year's warranty, Inca's Service Contracts offer a variety of response levels to keep you running and delivering your customers' jobs. Remote support from the Inca team is also an option.



Material Selection

Spyder V is designed to accommodate a range of materials for the wide format and POP market.* This includes the more usual papers and plastics, but with the ability to handle substrates up to 50mm thick, can also embrace more unusual substrates such as extruded plastics, wood, glass and thicker POP materials.

Control Console/User Interface

A free-standing operator console provides all the essential data required to run, monitor and maintain the machine. Simple print queues with thumbnails provide job information whilst maintenance screens offer up-to-date information on the system's condition and faults.

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* Substrates should be tested for suitability before use, since they vary from different suppliers and factories and can display a wide variety of properties

Machine Features

- **UV curing inks**
- **Vacuum table for simple substrate loading**
- **Precision motion control systems**
- **Up to 130m²/hr throughput**
- **Double-ended register pins for accurate placement**
- **Separate operator console (not shown)**

Customer Support

The Inca support team provide technical assistance by phone, on-line and at your facility. Whether delivering engineering support, applications assistance or general advice, the Inca Support team will help you to resolve problems efficiently and maximise the uptime on your equipment.

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Spyder V Technical specification

Product Description

- **Flatbed inkjet printing press**
  - Maximum substrate size 3.2 m x 1.6 m (126 in x 63 in)
  - Maximum substrate thickness 50 mm (2 in)
  - Maximum substrate weight 80 kg evenly spread
  - Print area 3.2 m x 1.6 m (126 in x 63 in)
- **Operator console including screen, keyboard and mouse**
- **UV curing twin lamps**
- **Uni-directional and bi-directional print**

Including:

- Installation kit
- Operator training
- User manual
- RIP training

Physical Machine Dimensions	
Width	3.49 m (137 in)
Length	4.968 m (190 in)
Height	1.44 m (57 in)
Footprint	6 m x 7 m (236 in x 276 in)
Weight	2500 kgs (5500 lbs)
User Interface	
Console	Free standing control console with screen, mouse & keyboard
Print PC	Inca SpyderRun software
Media	
Max Print sSize	3.2 m x 1.6 m (126 in x 63 in)
Max Substrate Thickness	50 mm (2 in)
Cleaning/Treatment	Substrate should be free of dust. Solutions are available from Fujifilm Sericol for pre-treatment and to promote adhesion
Load/Unload	Manual
Types	A wide range of rigid and flexible materials including plastics, paper, lenticular, glass and metals
Printing Technology	
Heads	4 colour (8 modules) 6 colour (12 modules) 4 plus white (12 modules)
Drop Size	28ng CMYK, Light Cyan, Light Magenta, Orange, Violet, 30 ng white
Resolution	600-1000dpi
Inks and Curing	
Inks	Fujifilm Sericol UV cure inks
Curing	Twin mercury arc UV lamp. Tack-free immediately after printing for stacking output
Ink Tanks	Top loading approx. 4 litres stainless steel tanks
Durability	Outdoor 2 years

Printing	
Maximum Substrate Weight	80 kgs (176 lbs) distributed evenly over table
Throughputs and Modes	4 pass bi-di 120 m^2/hr Satin Finish 24 Beds/hr 6 pass uni-di 49 m^2/hr Satin Finish 10 Beds/hr 6 pass bi-di 83 m^2/hr Satin Finish 17 Beds/hr
RIP	
RIP Hardware	Specification available
RIP Software	Wasatch or ColorGATE RIP software available
Requirements	
Power	220-240V single phase 50 / 60 Hz, rated to 30 amps
Air	Compressed air 100 psi (7 bar) at 1.76 SCFM (0.05 m^3/min), ISO8573.1:Class 1.4.1
Network	Minimum 100 Base T
Environment	
Temperature	20-30 °C / 68-86°
Humidity	20-80% RH non-condensing humidity
Standards	
EMC	BS EN 61000-6-2:2001 (Immunity) BS EN 61000-6-4:2001 (Emissions)
Safety	UL compliant (not approved) CE Low Voltage and Machinery Directives Meets the requirements for compliance with CSA SPE-1000

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